

ABSTRACT

A lighting system for a display is disclosed. The lighting system includes a light source providing invisible light having a wavelength in a spectrum not visible to the human eye. The lighting system also includes
5 a reflective layer having at least one of a phosphorescent and a fluorescent surface reflecting the invisible light from the light source and converting the invisible light into visible light, visible to the human eye. Further, the lighting system includes a display layer in which pixels of the display layer may be altered by applying an electrical charge to the display
10 layer in a controlled manner. The display layer is illuminated by the visible light from the reflective layer.